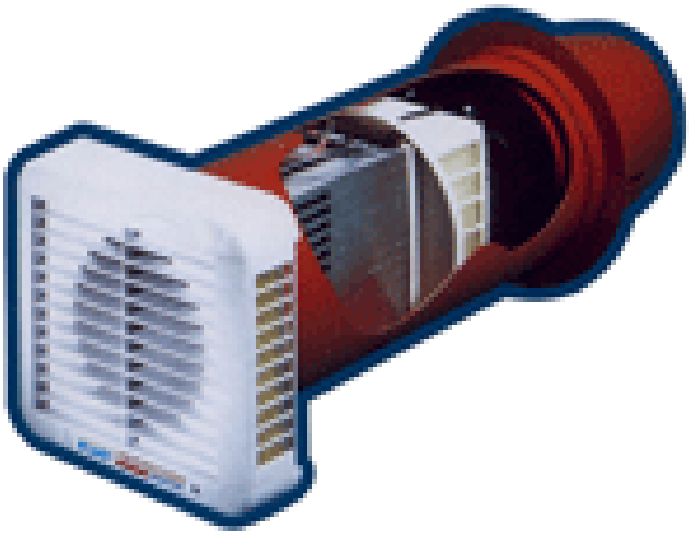

The *Kair*™ KHRV150/12RH Heat Recovery Ventilator

A User Guide

If you have any questions or concerns regarding your Kair Heat Recovery Ventilator please call:

Kair Ventilation Ltd: 08451 66 22 40
Or

Installer:	
Address:	
Telephone:	
Installation date:	

The *Kair*™ KHRV150/12RH
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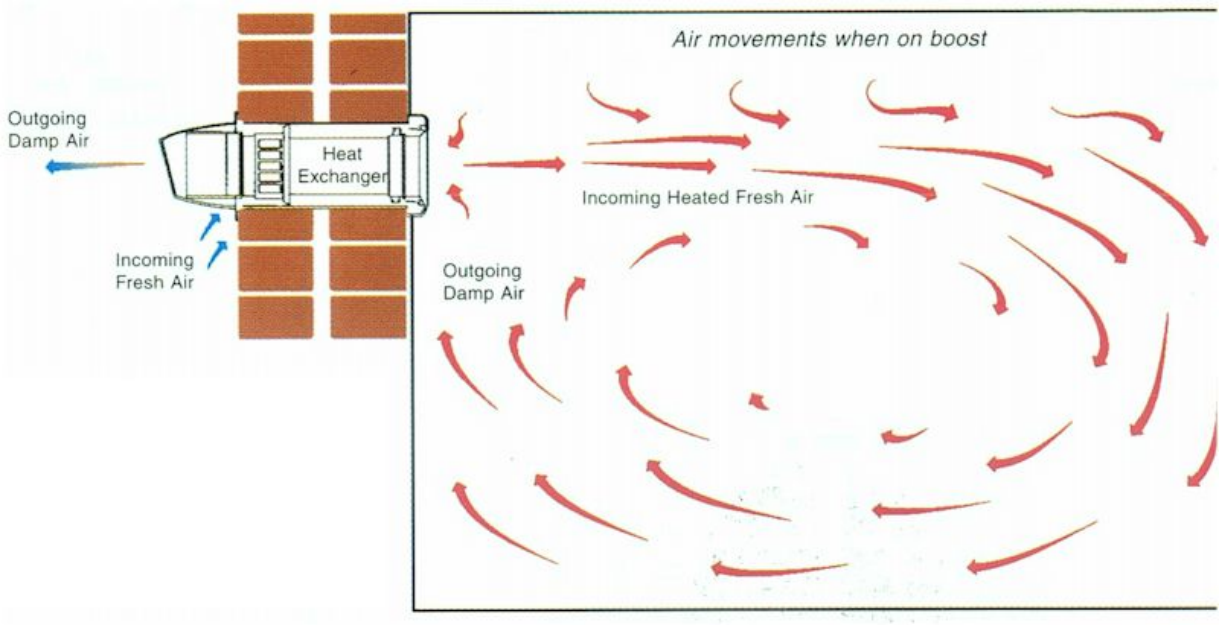
Dampness and Condensation

We have all been made aware of environmental and ecological issues regarding energy conservation in recent years, and encouragement has been given to insulate our homes by installing double-glazing, loft and cavity wall insulation, and draught excluders. This has improved insulation at the cost of natural ventilation, consequently the water we generate in our day-to-day activities such as breathing, washing, bathing, cooking etc, cannot escape so easily and many properties now suffer from condensation and mould growth problems.

The *Kair*™ KHRV150 Heat Recovery Ventilator

Your property has been chosen to be fitted with a Kair KHRV150 Heat Recovery Ventilator. Unlike traditional extractor fans which waste expensively produced heat the Kair KHRV150 contains two fans, one to extract damp stale air and the other to replace it with fresh warmed air.



The ventilator runs continuously at trickle speed providing background ventilation. The two airflows pass through alternate layers of a highly efficient heat exchanger the incoming air collecting the transferred warmth without mixing the airstreams. Should humidity rise above a preset level the machine will switch to boost mode rapidly exchanging the air to bring the humidity down. Having achieved this the machine will switch back to normal trickle speed.

How much does it cost to run?

The KHRV150 is a low voltage machine (SELV) and running costs in the form of electricity consumption are approximately 30p per week*. However moisture laden air requires substantially more energy to heat and reducing moisture levels combined with heat recovery will mean the equipment should save you money.

By contrast, an extractor fan used to remove the same amount of air would cost an extra £2.50 per week just to maintain heating levels within the property**.

*Based on 90% trickle and 10% boost running ratios.

**Based on temperatures of 20^{o}C inside and 0^{o}C outside.

Control Features

The Remote Humidistat Unit could be described as the brains of the KHRV150 and will control the humidity and airflows automatically. It is also provided with a manual override, (pull cord) which can be used to set the unit on boost and increase the airflow as desired.

During installation the equipment can also be primed with a light sensor to override boost mode during the hours of darkness. This facility is usually offered as an option when being installed in a bedroom.

Cleaning

The Kair KHRV150 has two filters either side of the faceplate and these need to be checked approx 4 times a year.

If dirty open the filter covers in the direction indicated by the arrow, remove the filters and wash in warm soapy water, replace when dry. There is no access to the fan or any electrical components during this process.

Washing the filters will ensure a constant clean air supply and reduction of humidity levels will substantially reduce dust mite activity, particularly of benefit to anyone in the household suffering from asthma or certain respiratory problems.